

DRAFT AGENDA

Cellulose Nanomaterials – A Path Towards Commercialization

*A Workshop Co-Sponsored by
USDA Forest Service
And The
National Nanotechnology Initiative
May 20 -21, 2014
USDA Patriot Plaza III
355 E St., SW, Washington D.C.*

	Tuesday, May 20, 2014
8:00 am – 8:30 am	Registration Breakfast and Coffee
8:30 am - 8:45 am	Welcoming Remarks <i>Mr. Thomas Vilsack, Secretary of Agriculture, USDA (Invited)</i>
8:45 am – 9:15 am	Opening Remarks – Day 1 <i>Mr. Thomas Kalil, Deputy Director for Technology and Innovation, OSTP</i>
9:15 am – 9:45 am	Cellulose Nanomaterials – Technical State of the Art <i>Dr. Robert Moon, Materials Research Engineer, Forest Products Laboratory and IPST at Ga Tech</i>
9:45 am – 10:00 am	Charge to the Workshop <i>Dr. World Nieh, National Program Lead, Forest Products, USDA Forest Service</i>
10:00 – 10:20 am	Break
10:20 am – 12:00 pm	Federal Panel <i>Dr. Cynthia West, Associate Deputy Chief for R&D, USDA Forest Service</i> <i>Mr. Thomas Kalil, Deputy Director for Technology and Innovation, OSTP</i> <i>Dr. Dev Shenoy, Chief Engineer, AMO, EERE, DOE</i> <i>Michael Meador, Nanotechnology Program Manager, Game Changing Technology, NASA Glenn Research Center</i> <i>Dr. Charles Geraci, Coordinator, Nanotechnology Research Center, National Institute for Occupational Safety and Health</i> Each Panelist will speak for 10 minutes followed by a facilitated Q&A and Open discussion
12 pm – 1:30 pm	Lunch Keynote: Revitalizing American Manufacturing Putting "&" Back into R&D <i>Dr. Sridhar Kota, Herrick Professor of Engineering, Mechanical Engineering,</i>

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	University of Michigan
1:30 pm – 3:00 pm	<p>Large Volume User Panel <i>Mr. Travis Earles, Senior Manager, Advanced Materials & Nanotechnology Initiatives, Lockheed Martin</i></p> <p><i>Dr. Sridhar Kota, Herrick Professor of Engineering, Mechanical Engineering, University of Michigan</i></p> <p><i>Dr. Orlando Rojas, Professor, Departments of Forest Biomaterials and Chemical & Biomolecular Engineering, North Carolina State University</i></p> <p>Each Panelist will speak for 10 minutes followed by a facilitated Q&A and Open discussion</p>
3:00 pm – 3:20 pm	Break
3:20 pm – 4:50 pm	<p>Paper, Packaging, Food and Beverage Panel <i>Ms. Beth Cormier, Vice President for R&D and Technology, SAPPI Paper</i></p> <p><i>Dr. Ed Socci, Director of Beverage Packaging, PepsiCo Advanced Research</i></p> <p><i>Dr. Bernard Cathala, Group Leader of Nanostructured Assemblies and Deputy Director of the Biopolymer, Interaction and Assembly Unit, National Agronomical Research Institute, Nantes, France</i></p> <p>Each Panelist will speak for 10 minutes followed by a facilitated Q&A and Open discussion</p>
4:50 pm – 5:00 pm	<p>Closing Remarks of the Day <i>Mr. Sean Ireland, Manager of New Technologies and Market Ventures, Verso Paper</i></p>
5:00 pm	Adjourn
	Wednesday, May 21, 2014
8:00 am – 8:30 am	<p>Registration Breakfast and Coffee</p>
8:30 am – 8:45 am	<p>Recap of Day 1 and Expectations for Day 2 <i>Dr. Lisa Friedersdorf, Senior Scientist, NNCO</i></p>
8:45 am – 9:00 am	<p>Opening Remarks – Day 2 <i>Dr. Altaf Carim, Assistant Director for Nanotechnology, OSTP</i></p>
9:00 am – 10:30 am	<p>Specialty Applications Panel <i>Dr. Zhenqiang “Jack” Ma, University of Wisconsin</i></p> <p><i>Dr. Cliff Eberle, Technical Development Manager, Carbon and Composites, ORNL</i></p> <p><i>Dr. Brian O’Connor, Program Manager – Environment, FPInnovations</i></p>

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	<i>Each Panelist will speak for 10 minutes followed by a facilitated Q&A and Open discussion</i>			
10:30 am – 10:45 am	Break			
10:45 am – 12:15 pm	<p>Challenges and Opportunities in Manufacturing Panel <i>Dr. Kim Nelson, Vice President for Government Affairs, API</i></p> <p><i>Mr. Jean Moreau, CEO, CelluForce</i></p> <p><i>Mr. Mike Bilodeau, Director, Process Development Center, University of Maine</i></p> <p><i>Mr. Yoram Shkedi, CEO, Melodea</i></p> <p>Each Panelist will speak for 10 minutes followed by a facilitated Q&A and Open discussion</p>			
12:15 pm – 1:20 pm	<p>Lunch Introductions to P³Nano <i>Mr. Michael Goergen, Director, P³Nano</i></p>			
1:20 pm – 1:30 pm	Reconvene session, charge for breakout (Fred Hanson, Energetics)			
1:30 pm – 3:30 pm <i>Four breakouts in the same room</i>	Breakout 1: Large Volume Users	Breakout 2: Paper, Packaging and Food	Breakout 3: Specialty Applications	Breakout 4: Challenges and Opportunities in Manufacturing
3:30 pm - 3:45 pm	Break			
3:45 pm – 4:30 pm	<p>Breakout Reports and Discussion <i>Dr. World Nieh, USDA Forest Service and Mr. Fred Hansen, Energetics</i></p>			
4:30 pm – 4:45 pm	<p>Closing Remarks <i>Dr. Ted Wegner, Assistant Director, USDA Forest Service, Forest Products Laboratory</i></p>			
4:45 pm	Adjourn			